Supplementary Materials

Hollow Co_9S_8 rods-acidified CNT-NiCoLDH composite enabling excellent electrochemical performance in asymmetric supercapacitors

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Supplementary figures

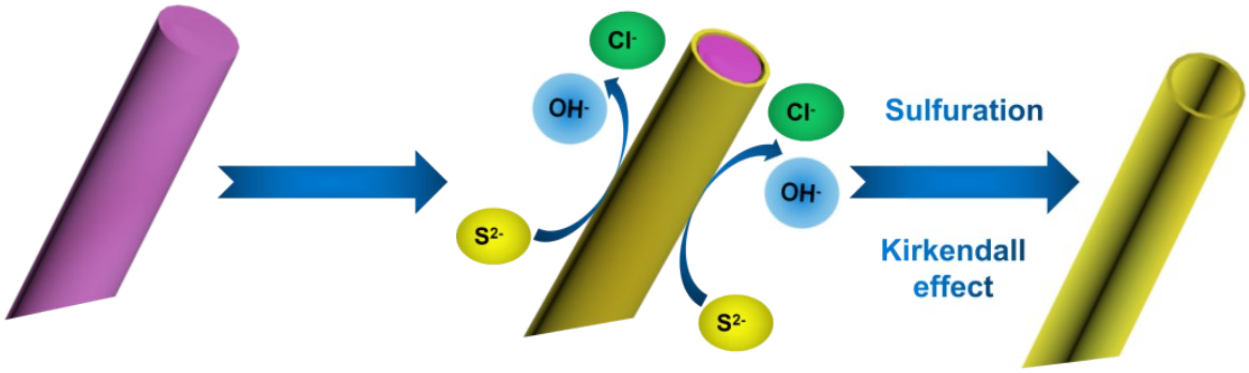

Fig. S1 Schematic diagram of Ke-Kendal effect.

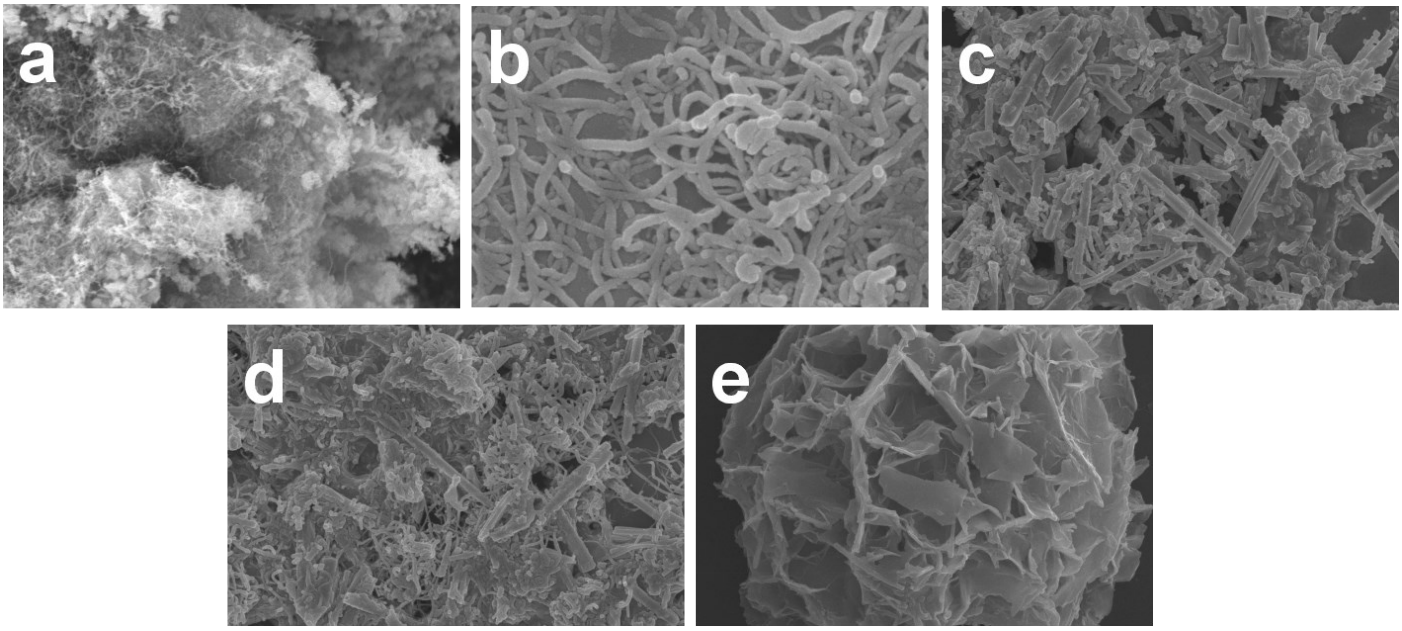

Fig. S2 SEM images of (a) CNTs, (b) aCNTs, (c) Co_9S_8-aCNT (low), (d) Co_9S_8-aCNT (high), (e) NiCoLDH.

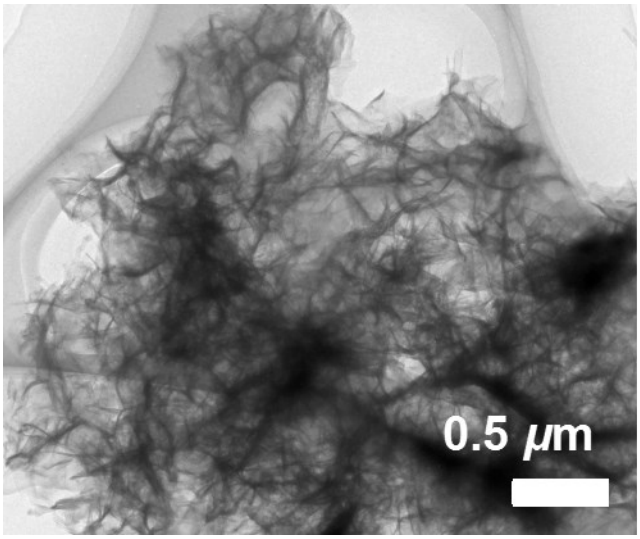

Fig. S3 TEM image of NiCoLDH.

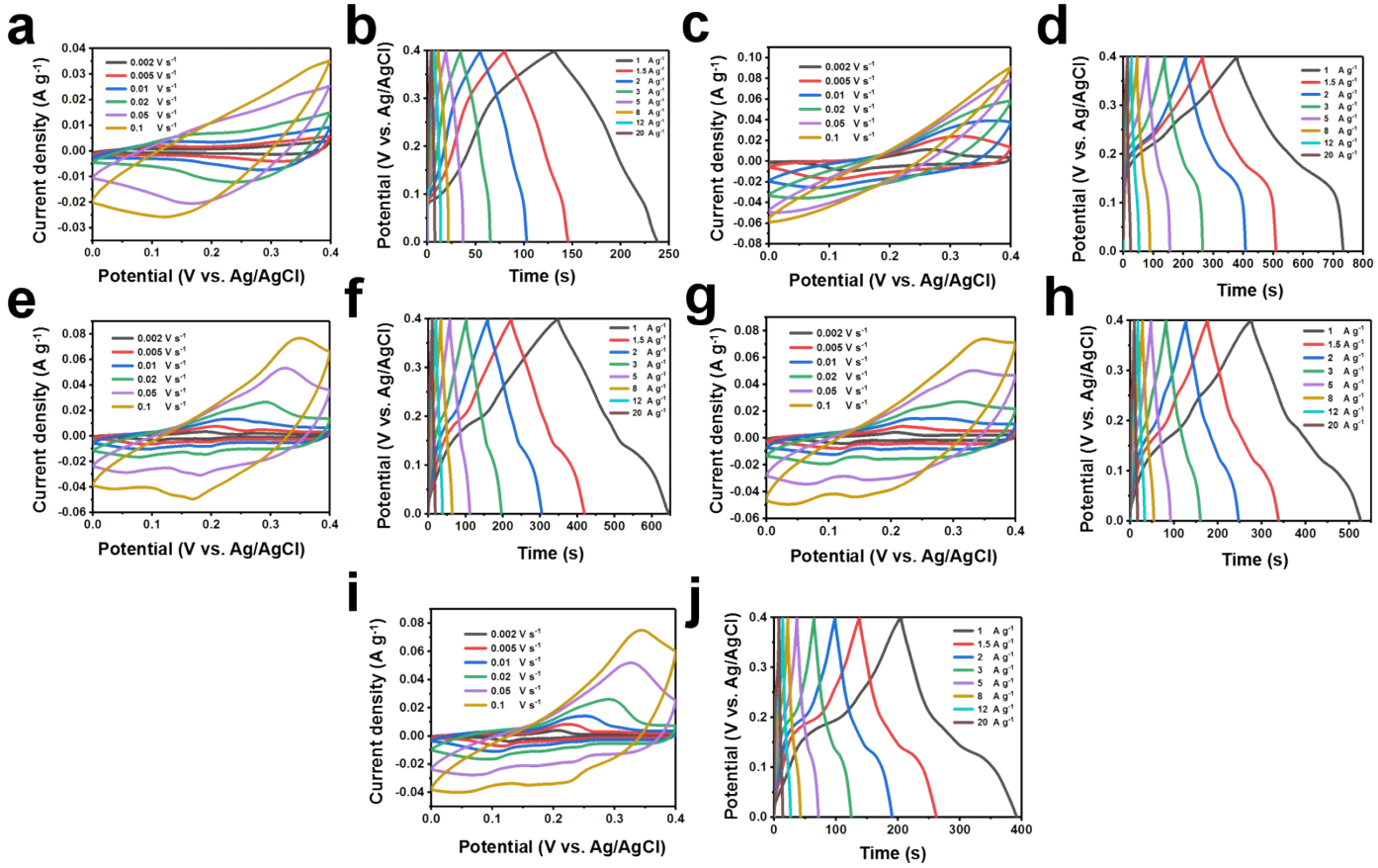

Fig. S4 a-j CV curves and GCD curves of (a, b) Co_9S_8, (c, d) NiCoLDH, (e, f) Co_9S_8-aCNT, (g, h) Co_9S_8-aCNT (low) and (i, g) Co_9S_8-aCNT (high).

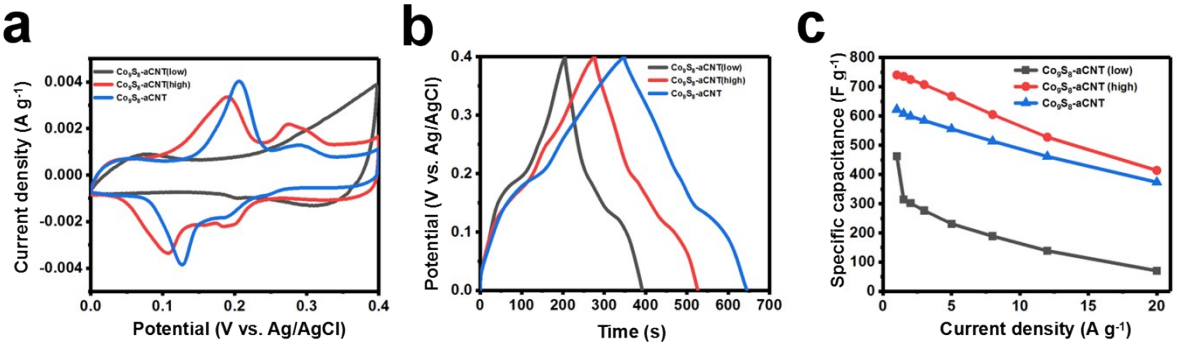

Fig. S5 Comparison of (a) CV curve, (b) GCD curves and (c) specific capacitance of Co_9S_8-aCNT (low), Co_9S_8-aCNT (high) and Co_9S_8-aCNT.

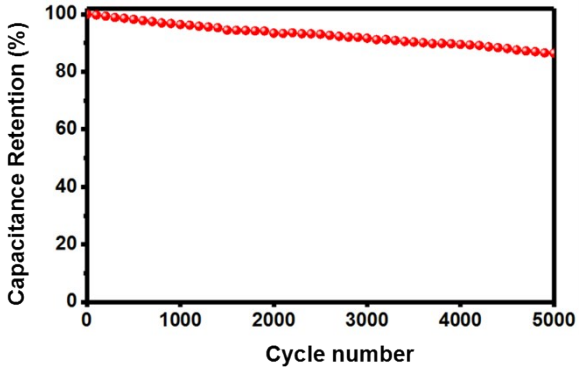

Fig. S6 Cycling performance of Co_9S_8-aCNT-NiCoLDH electrodes after 5000 cycles at 10 A g^{-1}.

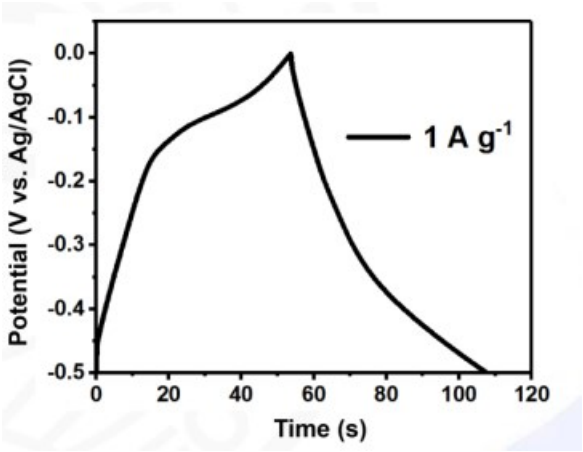

Fig. S7 GCD curves of active carbon (AC) at 1 A g^{-1}